

Amendment to the Claims

1.(Currently Amended) A battery pack comprising:

a laminate battery having a built-in electrode interposed between a first sheathing film and a second sheathing film, said first sheathing film and the second sheathing film being lapped along an outer periphery of the electrode to thereby form lap sections, said lap sections being connected to hold the electrode inside of the laminate battery;

a terminal substrate disposed at the lap sections of the laminate battery and including output terminals at a front surface side thereof;

a substrate holder disposed between a rear surface of the terminal substrate and the lap sections of the laminate battery; and

a first metal plate laminated on a first sheathing film side of the laminate battery;

wherein said terminal substrate is supported by the substrate holder, the lap sections and the first metal plate, said output terminals of the terminal substrate being disposed at a position ~~to be brought closer to~~ near a same plane as a front surface of the second sheathing film by means of the substrate holder.

2. (Currently Amended) A battery pack as recited in claim 1, wherein the lap sections of the said laminate battery located at both sides of the electrode are bent along end surfaces of the electrode, said laminate battery being fitted inside a plastic frame having two open surfaces to thereby constitute a framed battery unit, said first metal plate and

a second metal plate covering both surfaces of the framed battery unit.

3.(Currently Amended) A battery pack as recited in claim 1, wherein ~~the~~said first sheathing film of ~~the~~said laminate battery has a planate form, said second sheathing film being bent along peripheries of ~~the~~said electrode, said second sheathing film being connected to ~~the~~said first sheathing film at the lap sections.

4.(Currently Amended) A battery pack as recited in claim 2, wherein said plastic frame includes a cover frame for covering the front surface side of said~~the~~ terminal substrate, said cover frame being perforated with contact windows for exposing the output terminals ~~outside therethrough~~.

5.(Currently Amended) A battery pack as recited in claim ~~4~~2, wherein at least one of ~~the~~said first metal plate and ~~the~~said second metal plate include side walls for covering one side or both sides of ~~the~~said framed battery unit.

6.(Currently Amended) A battery pack as recited in claim 2, wherein a channel-form bent section formed by being bent into a U-shaped form is provided at an end section of ~~the~~said first metal plate, said framed battery unit being fitted into the channel-form bent section.

7.(Currently Amended) A battery pack as recited in claim 2, wherein side walls₁ ~~provide~~provided at both sides of ~~the~~said first metal plate₁ are each bent into a

U-shaped form, said framed battery unit being fitted into said side walls.

8.(Currently Amended) A battery pack as recited in claim 2, wherein said first metal plate includes side walls for covering both sides of ~~the~~thesaid framed battery unit and a channel-formed bent section for covering one end of ~~the~~thesaid framed battery unit, said second metal plate including a vertical wall for covering the other end of ~~the~~thesaid framed battery unit, said side walls surrounding said both sides of ~~the~~thesaid framed battery unit, said channel-form bent section surrounding said one end of ~~the~~thesaid framed battery unit, said vertical wall surrounding the other end of ~~the~~thesaid framed battery unit.

9.(Currently Amended) A battery pack as recited in claim 2, wherein four corners of ~~the~~thesaid plastic frame are exposed at four corners of ~~the~~thesaid framed battery unit formed by covering said both surfaces thereof with ~~the~~thesaid first metal plate and ~~the~~thesaid second metal plate.

10. (Currently Amended) A battery pack as recited in claim 1, wherein an electronic component for achieving a protective circuit of ~~the~~thesaid laminate battery is mounted on ~~the~~thesaid terminal substrate, said electronic component being fixed so as to protrude at the rear surface of ~~the~~thesaid terminal substrate, said electronic component at the rear surface of ~~the~~thesaid terminal substrate being disposed at a hollow section provided at an upper surface of ~~the~~thesaid substrate holder.

11.(Original) A battery pack as recited in claim 1, wherein said substrate holder is

integrally formed of a plastic in its entirety, said substrate holder being provided with a peripheral wall and a protrusion to increase a substantial thickness thereof so that the output terminals are placed on the same plane as the second sheathing film.

12.(Currently Amended) A battery pack as recited in claim 10, wherein said substrate holder is integrally formed of a plastic in its entirety, said substrate holder being provided with a peripheral wall, a protrusion, and a hollow section formed between the peripheral wall and the protrusion, said electronic component fixed at the rear surface of ~~the~~said terminal substrate being disposed at said hollow section of ~~the~~said substrate holder.

13. (Currently Amended) A battery pack comprising:

a polymer battery having a built-in electrode interposed between a first sheathing film and a second sheathing film, said first sheathing film and ~~the~~said second sheathing film being lapped along an outer periphery of ~~the~~said electrode to thereby form lap sections, said lap sections being connected to hold the electrode inside of ~~the~~said polymer battery;

a terminal substrate disposed at the lap sections of ~~the~~said polymer battery and including output terminals at a front surface side thereof;

a substrate holder disposed between a rear surface of ~~the~~said terminal substrate and the lap sections of ~~the~~said polymer battery; and

a first metal plate laminated on a first sheathing film side of ~~the~~said polymer battery;

wherein said terminal substrate is supported by ~~the~~said substrate holder, the lap sections and ~~said~~the first metal plate, said output terminals of ~~the~~said terminal substrate being disposed at a position so as to be ~~brought closer~~close to a same plane as a front surface of ~~the~~said second sheathing film by means of ~~the~~said substrate holder.

14.(Currently Amended) A battery pack as recited in claim 13, wherein the lap sections of ~~the~~said polymer battery located at both sides of ~~the~~said electrode are bent along end surfaces of ~~the~~said electrode, said polymer battery being fitted inside a plastic frame having two open surfaces to thereby constitute a framed battery unit, said first metal plate and a second metal plate covering both surfaces of ~~the~~said framed battery unit.

15.(Currently Amended) A battery pack as recited in claim 13, wherein ~~the~~said first sheathing film of ~~the~~said polymer battery has a planate form, said second sheathing film being bent along peripheries of ~~the~~said electrode, said second sheathing film being

connected to ~~the~~said first sheathing film at the lap sections.

16. (Currently Amended) A battery pack as recited in claim 14, wherein said plastic frame includes a cover frame for covering the front surface side of ~~the~~said terminal substrate, said cover frame being perforated with contact windows for exposing the output terminals ~~outside the~~through.

17. (Currently Amended) A battery pack as recited in claim ~~13~~ 14, wherein at least one of the first metal plate and the second metal plate include side walls for covering one side or both sides of the framed battery unit.

18. (Currently Amended) A battery pack as recited in claim 14, wherein a channel-form bent section formed by being bent into a U-shaped form is provided at an end section of ~~the~~said first metal plate, said framed battery unit being fitted into the channel-form bent section.

19. (Currently Amended) A battery pack as recited in claim 14, wherein side walls provided at both sides of ~~the~~said first metal plate are bent into a U-shaped form, said framed battery unit being fitted into said side walls.

20.(Currently Amended) A battery pack as recited in claim 14, wherein said first metal plate includes side walls for covering both sides of ~~the~~said framed battery unit and a

channel-formed bent section for covering one end of ~~the~~said framed battery unit, said second metal plate including a vertical wall for covering the other end of ~~the~~said framed battery unit, said side walls surrounding said both sides of ~~the~~said framed battery unit, said channel-form bent section surrounding ~~said~~the one end of ~~the~~said framed battery unit, said vertical wall surrounding the other end of ~~the~~said framed battery unit.

21. (Currently Amended) A battery pack as recited in claim 14, wherein four corners of the plastic frame are exposed at four corners of ~~the~~said framed battery unit formed by covering said both surfaces thereof with said~~the~~ first metal plate and ~~the~~said second metal plate.

22. (Currently Amended) A battery pack as recited in claim 13, wherein an electronic component for achieving a protective circuit of ~~the~~said polymer battery is mounted on ~~the~~said terminal substrate, said electronic component being fixed so as to protrude at the rear surface of ~~the~~said terminal substrate, said electronic component at the rear surface of ~~the~~said terminal substrate being disposed at a hollow section provided at an upper surface of ~~the~~said substrate holder.

23.(Currently Amended) A battery pack as recited in claim 13, wherein said substrate holder is integrally formed of a plastic in its entirety, said substrate holder being provided with a peripheral wall and a protrusion to increase a substantial thickness thereof so that ~~the~~said output terminals are placed on the same plane as ~~the~~said

second sheathing film.

Claim 24. (Cancelled)

25.(Currently Amended) A battery pack as recited in claim 22, wherein said substrate holder is integrally formed of a plastic in its entirety, said substrate holder being provided with a peripheral wall, a protrusion, and a hollow section formed between the peripheral wall and the protrusion, said electronic component fixed at the rear surface of the terminal substrate being disposed at said hollow section of ~~the~~said substrate holder.